

Title (en)  
Process for the purification of silicone oils.

Title (de)  
Verfahren zur Reinigung von Siliconöl.

Title (fr)  
Procédé de purification d'huiles de silicone.

Publication  
**EP 0186736 A1 19860709 (DE)**

Application  
**EP 85112151 A 19850925**

Priority  
• DE 3441353 A 19841113  
• DE 3508219 A 19850308

Abstract (en)  
1. Method for the cleaning of silicone oil, in which contaminations present in the silicone oil are removed by addition of a drying agent as well as of an adsorbing means, characterised thereby, - that the drying agent is selected from the group comprising molecular sieves, silica gel and active aluminium oxide as well as mixtures thereof, - that the adsorbing means is selected from the group comprising active carbon and activated bleaching earth as well as mixtures thereof, - that the drying agent and the adsorbing means act on the silicone oil during an action time which is dependent on the demanded purity of the silicone oil, - that the drying agent and the adsorbing means are separated from the silicone oil by sedimentation as well as filtration after run-down of the action time, - that during the action time and after this separating process, extremely dry inert gas is conducted through the silicone oil until this possesses a predeterminable residual water content and - that the gases possibly present in the silicone oil are subsequently removed by the passing-through of helium as well as by heating in vacuum.

Abstract (de)  
Die Erfindung betrifft ein Verfahren zur Reinigung von Siliconöl, das insbesondere als Kühl- und/oder Isolationsmittel in elektrischen Hochspannungsgeräten verwendet wird. Die Reinigung erfolgt durch Zugabe von Trocknungsmitteln, z. B. Molekularsieb, und Adsorptionsmitteln, z. B. Aktivkohle, sowie durch eine mechanische Bewegung des Gemisches. Nach einer anschließenden Sedimentation, Filterung und Entgasung entsteht ein gereinigtes Siliconöl, das erneut als Kühl- und/oder Isolationsmittel verwendbar ist.

IPC 1-7  
**C08G 77/34**; **C08J 11/06**; **H01B 3/46**; **C10M 107/50**

IPC 8 full level  
**C08G 77/34** (2006.01); **C08J 11/06** (2006.01); **C10M 107/50** (2006.01); **H01B 3/46** (2006.01)

CPC (source: EP)  
**C08G 77/34** (2013.01); **H01B 3/465** (2013.01)

Citation (search report)  
• [A] US 3838056 A 19740924 - VINCENT G  
• [A] GB 2015825 A 19790912 - DOW CORNING  
• [A] DE 813189 C 19510910 - BENSMANN C H NIKOLAUS DR  
• [A] GB 2093855 A 19820908 - DOW CORNING  
• [A] CHEMICAL ABSTRACTS, Band 88, Nr. 14, 3. April 1978, Seite 43, Zusammenfassung 90648m, Columbus, Ohio, US; & JP - A - 77 41 313 (M. ABE) 18.10.1977  
• [A] CHEMICAL ABSTRACTS, Band 83, Nr. 16, 20. Oktober 1975, Seite 645, Zusammenfassung 140880a, Columbus, Ohio, US; & JP - A - 75 41 098 (HITACHI LTD.) 15.04.1975

Cited by  
EP0566776A3; EP0522443A1; US5245067A; EP0364339A1; FR2637902A1; EP0364338A1; FR2638753A1; US7632336B2; WO0134613A1

Designated contracting state (EPC)  
DE GB IT

DOCDB simple family (publication)  
**DE 3508219 A1 19860911**; DE 3571828 D1 19890831; EP 0186736 A1 19860709; EP 0186736 B1 19890726

DOCDB simple family (application)  
**DE 3508219 A 19850308**; DE 3571828 T 19850925; EP 85112151 A 19850925